REO 4600® with ProtectionOS™

Versatile, Disk-Based Backup and Recovery Appliances

Besides its people, a company's data is one of its most critical assets. Keeping that data stored, accessible and secure has become complex and expensive as companies are faced with massive data growth, increasingly stringent regulatory requirements and distributed environments that can range from across-the-hall to across-the-globe. Overland Storage® recognizes the need for businesses to do more—with less, and offers effortless data management and protection solutions. Overland Storage® REO 4600 emulates multiple tape libraries over a Fibre Channel or iSCSI interface and seamlessly integrates with the existing backup infrastructure to enable cost-efficient long term retention on disk and more reliable, high-speed recoveries of backup data.

Proven Data Protection

Unlike tape solutions and other disk-based back up systems, only the REO SERIES® includes REO ProtectionOS™ software, which embeds data protection intelligence. When configured as virtual tape, backup data is written sequentially and in large blocks, which results in greater backup performance.

Easy to Set up and Manage

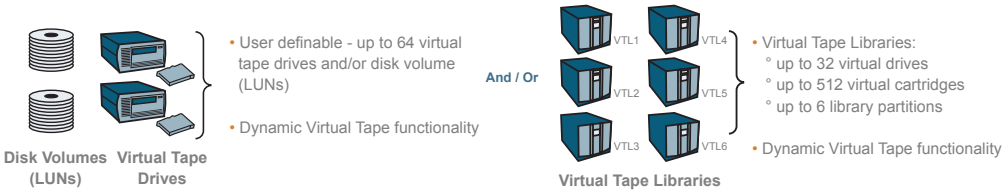
REO 4600 appliance is compatible with all popular open systems and Windows-based backup software, physical tape drives and libraries and easily connect to existing Ethernet (iSCSI) and Fibre Channel networks for seamless integration without changes to existing backup processes. An intuitive and robust browser-based graphical user interface makes REO easy to configure and manage. Users can proactively monitor REO appliances and receive e-mail alerts for instant notification of status changes.

Flexible Connectivity

Every REO SERIES system includes our patent-pending Dynamic Virtual Tape™ (DVT) technology, which ensures that no storage capacity is wasted while eliminating the manual effort and guesswork of sizing, configuring, provisioning, and deleting virtual tape cartridges. With DVT, users can create virtual tape cartridges that automatically expand or contract to match the exact capacity requirements of the backup operation.

Highlights

- User-defined functionality for Virtual Tape Library, Virtual Tape Drives and Disk Volumes (LUNs)
- Compatible with all popular backup software
- Ethernet (iSCSI) and Fibre Channel connectivity
- Up to 6 virtual tape libraries and 512 virtual tape cartridges can be created and configured with up to 32 virtual tape drives (16 drives maximum per library)
- Up to 64 standalone devices can also be created utilizing a mix of virtual tape drives and/or disk volumes.
- Drive spin-down conserves energy
- Over 100TB raw capacity, 200TB useable compressed virtual tape capacity



Hardware Compression Option:
The hardware compression option effectively doubles the useable virtual tape capacity of the REO 4600 and connected expansion arrays, making it the most cost effective way to store more backup data on disk. The combination of hardware compression and Dynamic Virtual Tape ensure REO is the most efficient and cost effective VTL available.

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Specifications

Capacity	REO 4600 base system ships with 12 drives installed, pre-configured as RAID 6 with a hot spare but can be re-configured to RAID 5 or RAID 6 with or without hot spare.
Multi-Stream Performance	With Hardware Compression Enabled, 16 Streams, 8 Stream per FC Port • Write: 480MB/sec • Read: 630MB/sec
Standard Hardware Features	2U 19-inch rack-mount enclosure, hot-plug disk drives, redundant hot-plug power supplies, redundant cooling, dual GbE data ports, 10/100 management port
Hardware Compression:	Optional Add-on: PCIe H/W Compression card
CPU and Memory	Intel Xeon e5504 quad-core Nehalem CPU, 2GB DDR3 1333MHz Registered DIMMs
Drive Configuration	12 x 1TB 7200 RPM SATA II Drives (12TB raw capacity) or 12 x 2TB 7200 RPM SATA II (24TB raw capacity)
Network Interface	2 x 1GbE Ports included Optional Add-on: PCIe Fibre Channel Dual 4Gbps
Expansion Array Interface	Includes external Serial Attached SCSI (SAS) ports for expansion Supports up to 4 SnapServer EXP E2000
Physical/Mounting	Width: 17.2 in (437 mm), Height: 3.5 in (89 mm) 2U, Depth: 25.5 in (648 mm), Weight: 55 lbs 19 in rack mount slide rails included Minimum rack depth 32 in (812.8 mm)
Agency Approvals	CE, cULus, FCC Class A, VCCI, C-Tick
Power	800W auto ranging, hot swappable modules (1+1 Redundant) 100-240VAC, 50-60Hz, 10 - 4 Amp
Environmental Limits Operating:	Temperature Range: 10° C to 35° C (50° F to 95° F), Humidity Range: 8% - 90% non-condensing, Altitude: -200 ft. to 10,000 ft. (0m to 3,048m)
Included with Unit	Custom 19 in rackmount slide rails, Power Cords for US, UK and EU
Standard Warranty	The REO 4600 is covered by a three-year limited hardware warranty including return to factory hardware support and by a three-year software warranty including Protection OS updates and telephone support. REO 4600 systems are eligible for enhanced Overland CARE maintenance options to augment the standard limited warranty. Specially priced multi-year Overland CARE support upgrades are available to protect your investment for the life of the product. Support coverage of all Snap Expansion units must be purchased separately and run concurrently with the primary Unit. For more information about Overland Storage services, please contact your reseller. Call Overland Storage at 1-800-442-7274 or visit us online at: http://support.overlandstorage.com/ for full details of all of our service programs.

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